

IN THE CLAIMS:

1. (Currently Amended) An improved method of making an immobilized enzyme comprising:
  - (a) treating an immobilization support with an aqueous solution comprising a an aldehyde cross-linking agent and polymeric aldehyde species and active centre species to produce a modified support;
  - (b) isolating said modified support;
  - (c) treating an enzyme solution with said modified support to produce said immobilized enzyme; ~~and, the improvement comprising~~
  - (d) treating said aqueous solution of the aldehyde cross-linking agent with an effective amount of a purifying agent to reduce the amount of said polymeric aldehyde species and other active centre species.
2. (Currently Amended) An improved method of making an immobilized enzyme comprising:
  - (a) treating an immobilization support with an aqueous enzyme solution to produce an adsorbed immobilized enzyme;
  - (b) isolating said adsorbed immobilized enzyme; and treating said adsorbed immobilized enzyme with an effective amount of an aqueous solution comprising a the aldehyde cross-linking agent and polymeric aldehyde species and active centre species to produce said immobilized enzyme; ~~and, the improvement comprising~~
  - (c) treating said cross-linking agent with an effective amount of a purifying agent, to reduce the amount of said polymeric aldehyde species and other active centre species.
3. (Currently Amended) A method as defined in claim1 wherein said aqueous solution of the aldehyde cross-linking agent is pre-treated with said purifying agent.

4. (Currently Amended) A method as defined in claim 1 wherein said aldehyde cross-linking agent is glutaraldehyde.
5. (Currently Amended) A method as defined in claim 2 wherein said aldehyde cross-linking agent is glutaraldehyde.
6. (Currently Amended) A method as defined in claim 3 wherein said aldehyde cross-linking agent is glutaraldehyde.
7. (Original) A method as defined in claim 1 wherein said immobilization support is selected from the group consisting of a natural or synthetic activated carbon material and a siliceous material selected from natural or synthetic zeolites, natural or synthetic sodium aluminosilicate, amorphous aluminosilicate and silica gel.
8. (Original) A method as defined in claim 2 wherein said immobilization support is selected from the group consisting of a natural or synthetic activated carbon material and a siliceous material selected from natural or synthetic zeolites, natural or synthetic sodium aluminosilicate, amorphous aluminosilicate and silica gel.
9. (Original) A method as defined in claim 3 wherein said immobilization support is selected from the group consisting of a natural or synthetic activated carbon material and a siliceous material selected from natural or synthetic zeolites, natural or synthetic sodium aluminosilicate, amorphous aluminosilicate and silica gel.
10. (Original) A method as defined in claim 4 wherein said immobilization support is selected from the group consisting of a natural or synthetic activated carbon material and a siliceous material selected from natural or synthetic

zeolites, natural or synthetic sodium aluminosilicate, amorphous aluminosilicate and silica gel.

11. (Original) A method as defined in claim 1 wherein said purifying agent is an activated carbon.
12. (Original) A method as defined in claim 2 wherein said purifying agent is an activated carbon.
13. (Original) A method as defined in claim 3 wherein said purifying agent is an activated carbon.
14. (Original) A method as defined in claim 4 wherein said purifying agent is an activated carbon.
15. (Original) A method as defined in claim 1 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.
16. (Original) A method as defined in claim 2 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.
17. (Original) A method as defined in claim 3 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.
18. (Original) A method as defined in claim 4 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.

19. (Original) A method as defined in claim 5 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.
  
20. (Original) A method as defined in claim 6 wherein said enzyme is an enzyme selected from the group consisting of amylase, glucoamylase, cellulase, xylanase, glucose isomerase, or any other group 3 hydrolase.